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# nAlysis: A hard disk diagnostic tool

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## **nAlysis: A hard disk diagnostic tool**

A Major Qualifying Project Report submitted to the Faculty of Worcester Polytechnic Institute in partial fulfillment of the requirements for the Degree of Bachelor of Science

**Project Location:**

Silicon Valley, California 2010

**Submitted by:**

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**Submitted to:**

David Finkel

**Date: March 5, 2010**

## Abstract

The goal of this project was to build a hard drive diagnostic tool which allows the user to execute ATA commands and interpret the results. The application can be used as a disk health monitoring utility and has scripting capabilities that can automate quality assurance processes. The functionality is wrapped inside a library of different modules with an API to allow users to write system specific implementations. The user interfacing is done via a command line interface.